

Accelerator Configuration &	Beam	E [MeV] [#]	E/A [MeV/A]	I _{target} (nA) ^{@\$}	Time structure
CN	¹ H ⁺	6,0	6,0	up to 4000	continuous or pulsed*
	² H ⁺	6,0	3,0	up to 1000**	continuous
	³ He ⁺	6,0	2,0	up to 30	continuous
	⁴ He ⁺	6,0	1,5	up to 1000	continuous or pulsed*
	⁴ He ⁺⁺	12,0	3,0	up to 10	continuous

#	Minimum voltage is 0.8 MV. Maximum voltage is 6 MV. Standard conditioning time depends on required voltage: 1 day for 4.6 MV, 2 days for 5 MV, 3 days for 5.4 MV, 4 days for 5.7 MV, 5 days for 6.0 MV. Working between 3 MV and 6 MV, accelerator experiences a slow deconditioning and it will take few hours or even 1 day to reach again 6 MV. Voltage lower than 3 MV are reachable shorting part of the accelerating column. Coming back to high voltage level, after shorting high voltage column, needs accelerator reconditioning (standard conditioning time).
@	Maximum current strongly depends on beamline required. Beam currents reported on table refer to small angle beamlines (-15 deg, 0 deg, +15 deg). Beam current at larger angle beamline can be reduced down to 30% of the reported value. Users requiring large angle beamlines are kindly advised to contact the Accelerator Division (PACbeams@Inl.infn.it) for technical information before submitting proposal.
\$	Maximum current can be limited by radio-protection constraints in case of high neutron fluxes generation
&	Users requiring specific beam dimensions or focalization purposes on their experimental setup are kindly advised to contact the Accelerator Division (PACbeams@Inl.infn.it) for technical information before submitting a proposal.
*	3MHz all beam line max current 1000 nA; (3/n MHz, n = 1, 2, ...m) chopped on 0 degree line further information on "Operating values of 0 degree line chopper system [PROTONS]", max current available on target depends: BeamCurrent@3MHz/<number peaks chopped>
**	Energy from 0,8 to 2 MeV up to 1000nA, Energy from 2 to 3 MeV up to 500nA, Energy from 3 to 6 MeV up to 200nA limited by radio-protection constraints

Accelerator Configuration	Beam	E [MeV] [£]	E/A [MeV/A]	I _{target} (nA) [§]	Time structure
AN2000	¹ H ⁺	2,0	2,0	up to 1000	continuous
	³ He ⁺	2,0	0,7	up to 30	continuous
	⁴ He ⁺	2,0	0,5	up to 1000	continuous

£	Minimum voltage is 0.2 MV. Maximum voltage is 2 MV.
§	Maximum current strongly depends on beamline, experimental apparatus and beam dimension required. Up to 1000 nA are available on all beamlines except 0 deg one. Maximum beam current is related to beam dimension required. At small radius, 150 nA current is achievable. On 0 deg beamline, normal current limit is 20 nA. This limit reduces to 1 nA in case micro-beam is required.
ç	Users requiring specific beam dimensions or focalization purpose on their experimental setup are kindly advised to contact the Accelerator Division (PACbeams@Inl.infn.it) for technical information before submitting a proposal.